

Sampling and Testing Guide-Minimum Frequency

Matls. I.M. 204
Appendix T (Metric) Units

BASE REPAIR ([2212](#)) PAVEMENT REPAIR (Patches) [Sections 2529](#) and [2530](#)

October 2, 2001
Supersedes April 3, 2001

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE AND RELATED IMS	QC/ACCEPTANCE S&T					ASSURANCE, CORRELATION AND VERIFICATION S&T						REMARKS
			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	
SOURCE INSPECTION														
Aggregates Fine (4110)		AS 209												
Aggregates Coarse (4115)		AS 209												
Portland Cement (4101)	Quality	AS 401												
Fly Ash (4108)	Quality	AS 491.17												
GGBFS(Ground Granulated Blast Furnace Slag)	Quality	AS 491.14												
Curing Compound (4105)	Lab Tested	405												
Air Entraining Admixture (4103)	Quality	AB 403												
Granular Backfill	Gradation Quality	AS CERT CERT												
Drain Tubing	Quality	AS 443												
Epoxy Grout		AB 491.11												
Joint Seal (4136.02)	Lab Tested	436.01 AB 436.02												
Backer Rod (4136.02)		AB 436.04												
Steel Reinforcing	Quality	AS 451												
AS-Approved Source AB-Approved Brand ASD-Approved Shop Drawing S&T-Sampling & Testing		Cert A-Type A Certification Cert B-Type B Certification Cert C-Type C Certification Cert D-Type D Certification			RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor				ASSUR-Independent Assurance VERIF-Verification CORR-Correlation MON-Monitor					

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			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	
PLANT INSPECTION														
Aggregates-Coarse (4115)	Grad	302 306 336	CONTR	3/lot	I.M. 301	CONTR		CORR	CONTR	1 st day +10%	IM 301	RCE		
	Moist	308	CONTR	1 / half day	1000 gm	CONTR								
	Sp. Gr.	307	CONTR	I.M. 527	1000 gm	CONTR								
	Quality	AS 209												
Aggregate- Fine (4110)	Gradation	302, 306 336	CONTR	3/lot	IM 301	CONTR	830211	CORR	CONTR	1 st day+10%	IM 301 IM 301	RCE		
	Moisture	➡➡ 308, 528	CONTR	1/lot	1000 gm	CONTR	830211							See IM 528 if Moisture Probe is used
	Sp. Gr.	307	CONTR	IM 528	1000 gm	CONTR	830211							
	Quality	AS 209												
Portland Cement (4101)	Quality	AS CERT D		Each Load										
Fly Ash	Quality	AS CERT D		Each Load										
Air Entraining Admixture		AB 403	➡➡ DME	1/lot	0.5 L	CTRL								Sample lots not previously reported or as directed by DME
Water Reducing Admixture		AB 403	➡➡ DME	1/lot	0.5 L	CTRL								
Retarding Admixture		AB 403	➡➡ DME	1/lot	0.5 L	CTRL								
AS-Approved Source AB-Approved Brand ASD-Approved Shop Drawing S&T-Sampling & Testing		Cert A-Type A Certification Cert B-Type B Certification Cert C-Type C Certification Cert D-Type D Certification			RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor					ASSUR-Independent Assurance VERIF-Verification CORR-Correlation MON-Monitor				

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			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	
GRADE INSPECTION														
Plastic Concrete	Air Slump	318 318	327 327	RCE RCE	2/half day 2/half day		RCE RCE	830224 830224						
Reinforcing Steel Epoxy-Coated Steel	Quality Quality	AS AS	451 451		Each Shipment									
Calcium Chloride	Concentr.		373	RCE	1/lot		RCE							
Asphalt Mixes Hardened Conc. Smoothness	➡ ➡												➡	Approval by DME See Plans/Specs for exclusions
AS-Approved Source AB-Approved Brand ASD-Approved Shop Drawing S&T-Sampling & Testing		Cert A-Type A Certification Cert B-Type B Certification Cert C-Type C Certification Cert D-Type D Certification				RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor				ASSUR-Independent Assurance VERIF-Verification CORR-Correlation MON-Monitor				